

OFRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M115715
Date Received: 01/18/07
Date Extracted: 01/19/07
Date Analyzed: 01/22/07
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M115715, F&BI 701159
Lab ID: 701159-01 10x
Data File: 701159-01 10x.062
Instrument: ICPMS1
Operator: btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	106	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	2,170
Nickel	1,680
Copper	450
Zinc	<50

OFRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Alaskan Copper Works
Date Received:	Not Applicable	Project:	PO# M115715, F&BI 701159
Date Extracted:	01/19/07	Lab ID:	I7-20 mb
Date Analyzed:	01/22/07	Data File:	I7-20 mb.031
Matrix:	Water	Instrument:	ICPMS1
Units:	ug/L (ppb)	Operator:	btb

Internal Standard:	% Recovery:	Lower	Upper
Germanium	98	Limit:	Limit:
		60	125

Analyte:	Concentration ug/L (ppb)
Chromium	<1
Nickel	<1
Copper	<1
Zinc	<5

OFRIEDMAN & BRUYA, INC.**ENVIRONMENTAL CHEMISTS**

Date of Report: 01/29/07

Date Received: 01/18/07

Project: Metro K.C. Grab, PO# M115715, F&BI 701159

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS BY EPA METHOD 200.8**

Laboratory Code: 701103-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	ug/L (ppb)	<1	<1	nm	0-20
Nickel	ug/L (ppb)	2.55	2.55	0	0-20
Copper	ug/L (ppb)	<1	<1	nm	0-20
Zinc	ug/L (ppb)	<5	<5	0	0-20

Laboratory Code: 701103-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	ug/L (ppb)	20	<1	91	50-150
Nickel	ug/L (ppb)	20	2.55	86	50-150
Copper	ug/L (ppb)	20	<1	83	50-150
Zinc	ug/L (ppb)	50	<5	80	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	ug/L (ppb)	20	101	70-130
Nickel	ug/L (ppb)	20	101	70-130
Copper	ug/L (ppb)	20	102	70-130
Zinc	ug/L (ppb)	50	95	70-130

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

January 29, 2007



INVOICE #07ACU0129-2

Accounts Payable
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M115715, F&BI 701159 - Results of testing
requested by Gerry Thompson for material submitted on January 18, 2007.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 200.8 @ \$80 per sample	\$ 80.00
Rush Charges (48 hr) 75% of \$80.00	<u>60.00</u>
Amount Due	\$ 140.00

FEDERAL TAX ID # (b) (6)

701159

SAMPLE CHAIN OF CUSTODY

ME 01-18-07

AI4

Send Report To

GERARD Thompson

Company

Alaskan Copper Works

Address

628 S. Harvard St

City, State, ZIP

Seattle WA 98134

Phone #

206-382-8379

Fax #

206-382-4309

SAMPLES (signature)

PROJECT NAME/NO.

METRO KC. Grab

PO #

M115715

REMARKS

Page # _____ of _____

TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH 24 hrs

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days☐ Return samples☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	CC4	CC5	CC6	CC7	
M115715	01	1/18/07	12:00	H2O -1												

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

SIGNATURE

Relinquished by:

Received by:

Relinquished by:

Received by:

PRINT NAME

Gerard Thompson
Nhan Phan

COMPANY

Alaskan Copper
FeB I

DATE

1/18/07
1/18/07

TIME

1:50pm
V

Samples received at 19 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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January 29, 2007

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford
Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on January 18, 2007 from the Metro K.C. Grab, PO# M115715, F&BI 701159 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
ACU0129R